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ABSTRACT OF THE DISCLOSURE

An apparatus for controlling vertical movement of a tubular within a wellhead includes an anchor spool connected atop the wellhead, and a detachable superstructure supporting the tubular. The anchor spool provides connectors for detachably connecting bottom ends of at least two piston cylinders of the detachable superstructure. The tubular may be a landing joint or a high-pressure mandrel of either a well stimulation tool, or a well isolation tool. The apparatus provides unobstructed access to a top end of the tubular. The anchor spool includes an elongated sidewall and an axial passage through which a tubing hanger can be reciprocated. The height of the sidewall permits the apparatus to be used for landing/removing a tubing string even if the anchor spool is mounted directly to a blowout preventer (BOP).